

At page 7, line 5, after "(D12717)", insert therefor --(SEQ ID NO:39)--.  
At page 8, line 2, after "(D12717)", insert therefor --(SEQ ID NO:39)--.  
At page 17, line 34, after "(D12717)", insert therefor --(SEQ ID NO:39)--.  
At page 7, line 6, after "(D12718)", insert therefor --(SEQ ID NO:40)--.  
At page 8, line 2, after "(D12718)", insert therefor --(SEQ ID NO:40)--.  
At page 17, line 34, after "(D12718)", insert therefor --(SEQ ID NO:40)--.  
At page 7, line 6, after "Alk7 (D12719)", insert therefor --(SEQ ID NO:41)--.  
At page 8, line 3, after "Alk7 (D12719)", insert therefor --(SEQ ID NO:41)--.  
At page 17, line 34, after "Alk7 (D12719)", insert therefor --(SEQ ID NO:41)--.  
At page 7, line 6, after "Alk8 (D12719)", insert therefor --(SEQ ID NO:42)--.  
At page 8, line 3, after "Alk8 (D12719)", insert therefor --(SEQ ID NO:42)--.  
At page 17, line 35, after "Alk8 (D12719)", insert therefor --(SEQ ID NO:42)--.  
At page 17, line 22, after "D25327", insert therefor --(SEQ ID NO:43)--.

**IN THE CLAIMS:**

Please cancel Claim 24 without prejudice in favor of Claim 25.

Please amend the claims as follows:

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1. (Amended One Time) A method for the bioproduction of C<sub>6</sub> to C<sub>22</sub> mono- and di-carboxylic acids comprising

a) contacting, under aerobic conditions, [a] the transformed *Pichia pastoris* of Claim 3 characterized by a genetically-engineered alkane hydroxylating activity with at least one C<sub>6</sub> to C<sub>22</sub> straight chain hydrocarbon; and

b) recovering the C<sub>6</sub> to C<sub>22</sub> mono- and di-carboxylic acids.

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3. (Amended One Time) A transformed *Pichia pastoris* comprising

a) at least one copy of a foreign gene encoding cytochrome P450 monooxygenase; and, optionally,

b) at least one copy of a foreign gene encoding cytochrome P450 reductase, each gene operably linked to [suitable regulatory elements] *Pichia pastoris* Aox1 promoter such that alkane hydroxylating activity is enhanced upon contact with at least one C<sub>6</sub> to C<sub>22</sub> straight chain hydrocarbon.

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4. (Amended One Time) The transformed *Pichia pastoris* of Claim 3 wherein the foreign gene encoding cytochrome P450 monooxygenase is selected from the group consisting of Alk1-A (D12475 (SEQ ID NO:35))), Alk2-A (X55881 (SEQ ID NO:36))), Alk3-A (SEQ ID NO:37)), Alk4-A (D12716 (SEQ ID NO:38))), Alk5-A (D12717 (SEQ ID NO:39))), Alk6-A (D12718 (SEQ ID NO:40))), Alk7 (D12719 (SEQ ID NO:41))), and Alk8 (SEQ ID NO:42))).